

GROUND-BASED PRODUCTS

TrollCam HD PRO200 REMOTE HD CAMERA SYSTEM

The TrollCam HD PRO200 is a complete HD POV (point-of-view) camera system. It integrates Troll's award winning HD camera enclosure with JVC's ProHD Model GY-HD200 to bring you True **HD Quality at an SD Price.**

The system is comprised of Troll's HD camera enclosure, control electronics, interface box, the JVC ProHD, and QuickSet's heavy-duty precision pan and tilt positioner. The JVC ProHD Camera features a built-in HD MPEG-2 encoder and provides IEEE 1394 (firewire) output which is converted to either ASI or IP. A Fujinon 1/3-inch bayonet (17x) lens completes this HD POV camera system.

The TrollCam HD PRO200 is manufactured with high-quality components. Its state-of-the-art enclosure is NEMA 4 rated, providing protection and reliability for your HD camera in rigorous environments. The enclosure is virtually maintenance-free – employing Troll's AIRJET technology (patent pending) to keep the 16:9 viewing window clean and clear without the need for a mechanical wiper! Troll has also enhanced the pan and tilt positioner, making it a serially-controlled device with better than 0.2 degrees of accuracy.

Connection from the enclosure to the interface box is accomplished with a single cable that carries all the necessary power, control, and data signals (including an NTSC output from the camera). The interface box provides access to all signals as well as housing the **AIRJET** compressor.

The system can be controlled using either our intuitive TouchStar software or the new TCC500 Camera Controller—the camTROLL. Remote operation of the TrollCam HD200 can be achieved via Dial-up, Ethernet, RS-232, or RS-422.

Haven't converted to HD yet? The TrollCam HD PRO200 can be integrated into your existing SD system. Its JVC ProHD camera will be ready to deliver HD video when your station converts to HD. Nothing could be easier and more cost-effective.



TrollCam HD PRO200 Remote HD Camera System

- ▶ **Award Winning HD Enclosure**
- ▶ **Heavy-Duty/Precision Pan and Tilt**
- ▶ **JVC GY-HD200 Camera**
 - ▶ **1/3" Bayonet Lens Mount**
 - ▶ **Built-in MPEG-2 Encoder**
 - ▶ **IEEE 1394 HDV Output**
- ▶ **ASI or IP Transport Streams**
- ▶ **Flexible Communication Options**
- ▶ **Lens Options**



GROUND-BASED

TrollCam HD PRO200

PRO200 CAMERA SYSTEM SPECIFICATIONS

Specifications

TrollCam HD Enclosure	
Input Voltage	120 VAC (240 VAC Optional)
Size	8.5"H x 11"W x 31.3"D (216mm x 280mm x 794mm)
Weight	35 lbs (16 kg)
Viewing Window	98% transmission, anti-glare/reflective, hydrophobic coating 4.1"H x 7.4"W x .24"D (188mm x 104mm x 6mm)
Connectors	Control / Pan and Tilt / BNC
Latches	Link-Lock stainless steel (can be secured with padlocks)
Construction	Aluminum 0.09-inch thick
Finish	Powder Coat White
Environment	-13° F to 140° F (-25° C to 60° C)

Options

Camera	JVC GY-HD250
Communication	2/4-Wire Leased Line
Lens	Canon 20x KT20x5B KTS

Features

Sun Shroud	Supplied as standard
Window Defroster	120 VAC, 175 Watts, Thermostatically Controlled
AirJet System	Forced Air (24 VDC) and 100 PSI air blast (user activated)
Environmental	NEMA Type 4 – meets or exceeds standards
Payload Insulation	Neoprene Sponge Rubber, 0.25" thick
Communication	Dial-up, Ethernet, RS-232 and RS-422

Troll Interface Box

Input Voltage	120 VAC (240 VAC Optional)
Size	18"H x 18"W x 8.5"D (457mm x 457mm x 216mm)
Weight	42 lbs (19 kg) including compressor
Connectors	Two BNC (ASI/NTSC), two RJ-45 Ethernet, one RJ-11 Dial-up, DB9 Serial, one AC input, and one switched AC output
Finish	Powder Coat - White
Environment	-13° F to 140° F (-25° C to 60° C)
Compressor	100 PSI, 120 VAC, 2 Gallon, Oil-Free, Direct Drive

QuickSet QPT-90-TRL24

Voltage	24 VDC
Load Capacity	90 ft-lbs (12 kgm)
Dimensions	12.3"H x 12.4" W x 8.9"D (313mm x 314mm x 225mm)
Pan Range/Feedback	+/-180 degrees/Encoder
Tilt Range/Feedback	+80 to -40 degrees/ Encoder
Weight	37 lbs (16.8 kg)
Limit Switches	Internal, adjustable
Control	Serial

JVC GY-HD200 Camera

Power	12 VDC
Dimensions	9.6"H x 9.2"W x 16.3"D (233mm x 242mm x 414mm)
Weight	8.16 lbs (3.7 kg)
Temperature	0° C to 40° C (32° F to 104° F)
Image pickup device	1/3" interline-transfer CCDs
Number of pixels	Approx. 1,110,000
Lens mount	1/3" bayonet system
ND filter	None or +1/4ND or +1/16ND
Gain	0, 3, 6, 9, 12, 15, 18 dB, ALC
Electronic shutter	7.5-10,000 Hz, 11 steps
Recording formats	720/24p, 720/25p, 720/30p, 720/50p, 720/60p, 480/24p, 480/60i

Video Signal

Compression	MPEG-2 video (profile & level: MP@H-14)
Outputs	IEEE 1394 and NTSC
Control	Serial

Fujinon Th17x5BMD 1/3" Lens

Zoom Ratio	17x
Focal Length	5mm to 85mm
Angular Field of View	5mm - 55.2° x 32.8° and 85mm - 3.5° x 2.0°

Visit us at our web site for a product and corporate information session. See video imagery from this system.

www.trollsystems.com

Troll Systems has a policy of continuous product improvement. Specifications are, therefore, subject to change without notice.



TROLL Interface Box



camTROLL TCC500

GROUND-BASED

